What is claimed is:

1. An apparatus for collecting samples for mass spectrometric analysis, said apparatus comprising:

a tray for holding said sample material;

a robotic interface; and

a capillary having an inlet end and an outlet end;

wherein said outlet end of said capillary is positioned such that ions produced from said samples are introduced into a mass analyzer, and wherein said inlet end of said capillary is positioned by said robotic interface for accepting ions of said samples.

2. An apparatus according to claim 1, wherein said capillary comprises a channel having a helical structure.

3. An apparatus according to claim 1, wherein said inlet ends and said outlet ends comprise conductive end caps.

4. An apparatus according to claim 1, wherein said ions are transported from an ionization source into a first vacuum region of a mass spectrometer.

5. An apparatus according to claim 4, wherein said ionization source is an API source.

6. An apparatus according to claim 4, wherein said ionization source is an ESI device.

7. An apparatus according to claim 4, wherein said ionization source is a pneumatic assisted electrospray source.

8. An apparatus according to claim 4, wherein said ionization source is an electron impact source.

9. An apparatus according to claim 4, wherein said ionization source is a chemical ionization source.

10. An apparatus according to claim 4, wherein said ionization source is a matrix assisted laser desorption ionization source.

11. An apparatus according to claim 4, wherein said ionization source is a plasma desorption source.

12. An apparatus according to claim 4, wherein said ionization source uses liquid chromatography.

13. An apparatus according to claim 1, wherein said apparatus is used to multiplex sample materials.

14. An apparatus for collecting samples for analysis in a mass

spectrometer, said apparatus comprising:

a tray for holding said sample material;

a robotic interface;

first and second capillary sections each having an inlet end and an outlet end; and

a union having first and second openings;

wherein said outlet end of said first capillary section is removably positioned within said first opening of said union, and wherein said inlet of said second capillary section is removably positioned within said second opening of said union.

15. An apparatus according to claim 14, wherein said first section comprises a channel having a helical structure.

16. An apparatus according to claim 14, wherein said union comprises means for removably securing said ends of said first and second sections.

17. An apparatus according to claim 14, wherein said union comprises means for providing an airtight seal between said ends of said first and second sections within said union.

18. An apparatus according to claim 14, wherein said inlet ends and said outlet ends comprise conductive end caps.

19. An apparatus according to claim 1, wherein said ions are transported from an ionization source into a first vacuum region of a mass spectrometer.

20. An apparatus according to claim 19, wherein said ionization source is an API source.

21. An apparatus according to claim 19, wherein said ionization source is an ESI device.

22. An apparatus according to claim 19, wherein said ionization source is a pneumatic assisted electrospray source.

23. An apparatus according to claim 19, wherein said ionization source is an electron impact source.

24. An apparatus according to claim 19, wherein said ionization source is a chemical ionization source.

25. An apparatus according to claim 19, wherein said ionization source is a matrix assisted laser desorption ionization source.

26. An apparatus according to claim 19, wherein said ionization source is a plasma desorption source.

27. An apparatus according to claim 19, wherein said ionization source uses liquid chromatography.

28. An apparatus according to claim 14, wherein said apparatus is used to multiplex sample materials.